

Chapter 1: Operations with Integers

Section 1.4 Multiplying Integers

Unit Question and Title:

Where am I?

Area Of Interaction

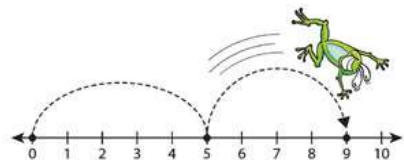
Health and Social Education

Significant Concept

How do I make the best choices?

Learner Profile

Communicator



I Can

I can multiply Integers

Journal pages 15 - 17

Guess My Rule

What comes next?

2, 4, 8, 16, _____, _____, _____,

0, 4, 8, 12, _____, _____, _____,

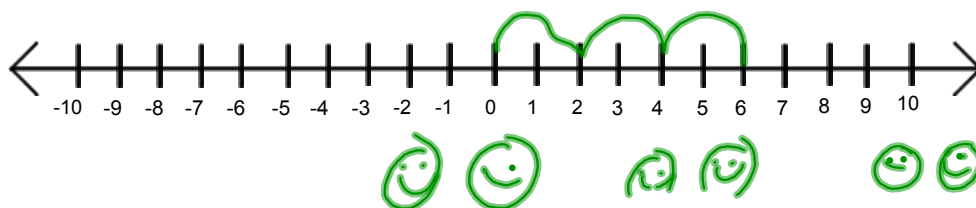
-6, -3, 0, 3, _____, _____, _____,

-6 ✓

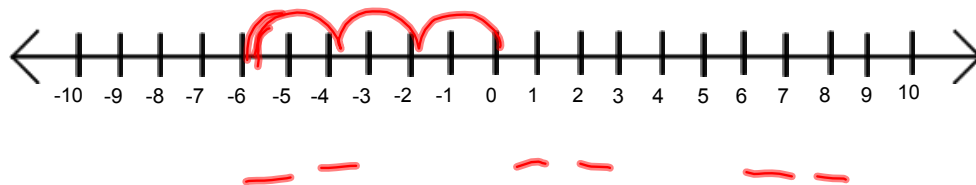
Essential question: Is the product of two integers positive, negative, or zero?

Product: Answer to a multiplication problem

Example 1: Multiplying Integers with the same sign. Use repeated addition to find $3 * 2$.



Example 2: Multiplying Integers with different signs. Use repeated addition to find $3 * (-2)$



Activity 3: Describe the pattern in the table. Use the pattern to complete the table.

Work with a partner. Use the table to complete the table.

$2 \cdot 2 =$
$1 \cdot 2 =$
$0 \cdot 2 =$
$-1 \cdot 2 =$
$-2 \cdot 2 =$

$$-3 \cdot 2 =$$

Activity 4: Work with a partner. Use a table to find $-3 \cdot (-2)$.

Describe the pattern in the table. Use the pattern to complete the table.

$-3 \cdot 3 =$
$-3 \cdot 2 =$
$-3 \cdot 1 =$
$-3 \cdot 0 =$
$-3 \cdot (-1) =$
$-3 \cdot (-2) =$

Inductive Reasoning

Work with a partner. Complete the table

Exercise	Type of Product	Product	Product: positive/negative
5. $3 \cdot 2$			
6. $3 \cdot (-2)$			
7. $-3 \cdot 2$			
8. $-3 \cdot (-2)$			
9. $6 \cdot 3$			
10. $2 \cdot (-5)$			
11. $-6 \cdot 5$			

Homework Assignment
From Text Book:

Page 26-27
Problem #s 8-15, 49-53

